

Locust Stake North Integrated Resources Timber Contract

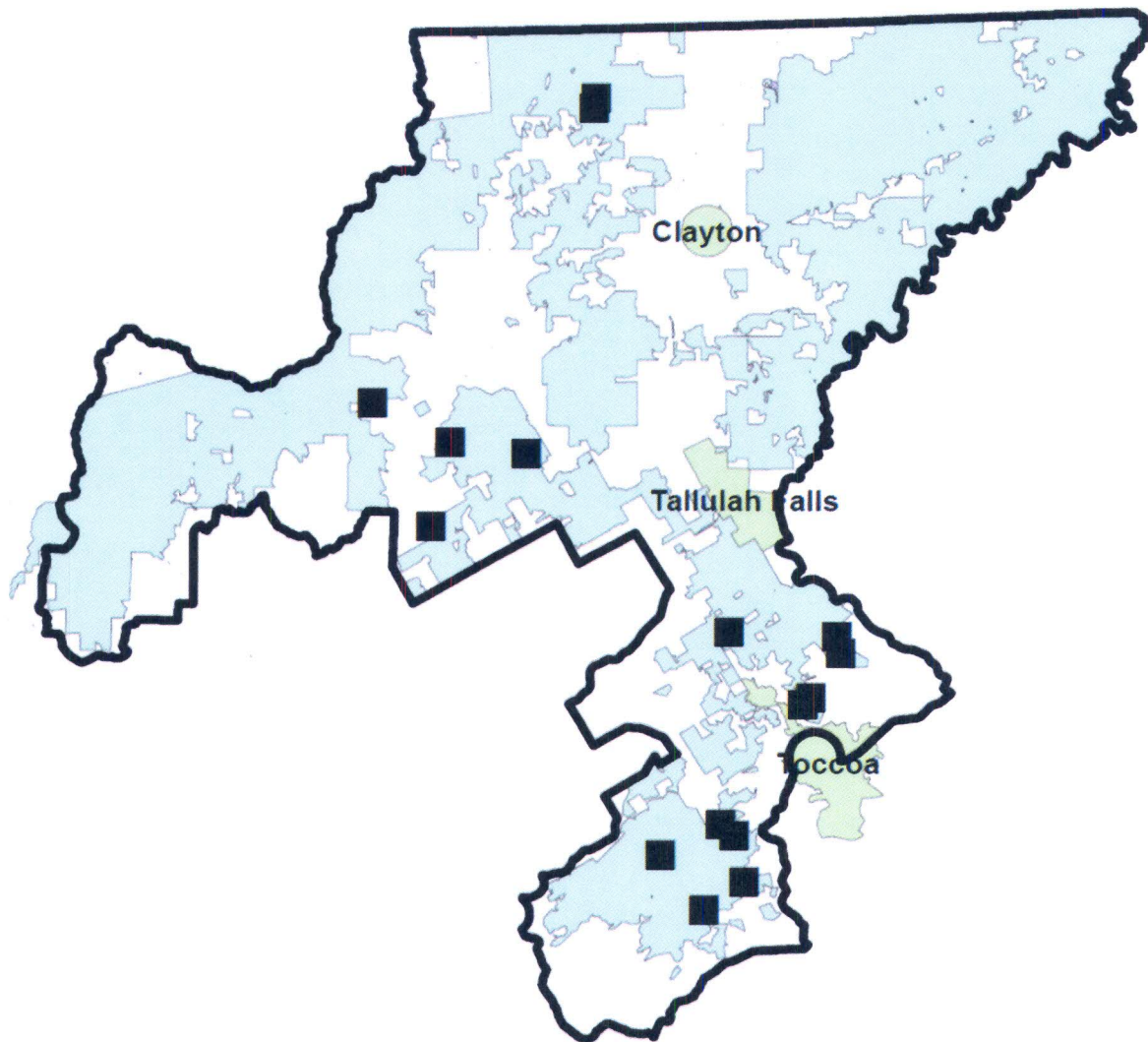
(IRTC)

SCHEDULE OF ITEMS AND SPECIFICATIONS

SCHEDULE OF ITEMS:


Item #	Description	Unit of Measure	Quantity	Unit Price \$	Total \$
Mandatory Work					
1	Smooth Coneflower Herbicide Treatments (Over 2 years)	Acres	16.15		
2	NNIS Herbicide Treatments (Over 2 years)	Acres	9.55		
3	Rehabilitation of Wildlife Openings	Acres	7.5		
Optional Work					
4	Davidson and Mill Creek Marking and Cruising Contract	Acres	332		
5	Rehabilitation of Wildlife Openings	Acres	17.5		

Eastside Forest Health Stewardship Project Service Work Vicinity Map



Legend

-  Stewardship Service Work Sites (All Service Work)
-  Chattooga River Ranger District Boundary
-  Forest Service System Lands
-  City Boundaries

0 2 4 8 12 16
 Miles

Item 01 – Smooth Coneflower Herbicide Treatments

GENERAL SPECIFICATIONS

On eight identified locations of Smooth coneflowers, a combination of mechanical and chemical treatments is necessary to eliminate woody competition. Treatments will be phased over a 2 year period of time.

PART I. SECTION C, SPECIFICATIONS

C. 1 - SCOPE OF PROJECT

The contractor shall furnish all equipment, labor, transportation, supervision, and perform all work required for **the Smooth Coneflower Restoration Treatments** on the Chattahoochee National Forest in accordance with the specifications and provisions of the project.

C.2 - DESCRIPTION AND LOCATION

The contractor shall provide all personnel, equipment, tools, supervision, and other items and incidental services necessary to treat 16.15 acres through a combination of mechanical (cut stumps) and chemical treatments (hack and squirt/foliar spray), over a two year period. The locations of the treatment areas are shown on the Stewardship Area Maps. See Eastside Forest Health Stewardship Project – Service Work Sites Table for a listing of all coneflower sites to be treated, including the size of each site. The treatment locations have been GPS mapped for actual acreages. Treatment area boundaries have been marked with orange tree paint as well. Rare plant exclusion areas will be flagged and identified to contractor prior to treatment.

TECHNICAL SPECIFICATIONS

Year 1 – Hack and Squirt and/or Cut Stump Treatments

- The first year treatment includes treating ALL trees and shrubs, ranging in size from 0.5 inch diameter at root collar to 10.0 inch diameter at breast height (DBH). The desired herbicide treatment will be a 50% solution mixture of “aquatically approved” glyphosate herbicide, with dye and surfactant included in the mixture. Trees greater than 3 inch DBH will be treated with the hack and squirt method. Trees less than 3 inch DBH, down to 0.5 inches at root collar, will be treated using the cut stump method. Hack and squirt “cuts” will be made so they encircle the tree completely, with no gaps between cuts. Cut stump trees will be completely severed from the base.
- No trees greater than 10 inches diameter will be treated. No saplings less than 0.5 inches diameter will be treated.
- Treatments will be made between the months of June 1 – August 15.
- Herbicide applications will be made immediately after the stem has been cut or hacked. Applications will not be made if the stems are still wet from rain, heavy dew, or if rain appears

imminent. Applications will be suspended if the temperature exceeds 98 degrees, humidity is less than 20% or if wind is greater than 15 mph.

Year 2 – Foliar Treatments

- The second year treatment includes treating ALL woody stems within the treatment area which are less than 0.5 inch diameter at root collar and less than 6 feet tall, including, but not limited to, any “resprouts” from the first year’s treatment. The desired herbicide treatment will be a foliar application of a 3% solution mixture of “aquatically approved” triclopyr herbicide, with the label recommended dye and surfactant included in the mixture. Thoroughly wet all target vegetation.
- Treatments will be made between the months of June 1 – August 15.
- Applications will not be made if the leaves are still wet from rain, heavy dew, or if rain appears imminent. Applications will be suspended if the temperature exceeds 98 degrees, humidity is less than 20% or if wind is greater than 15 mph.

If locations change, they will be agreed upon in writing by the COR and contractor to ensure similar work exists.

G.1- GOVERNMENT FURNISHED PROPERTY

NONE

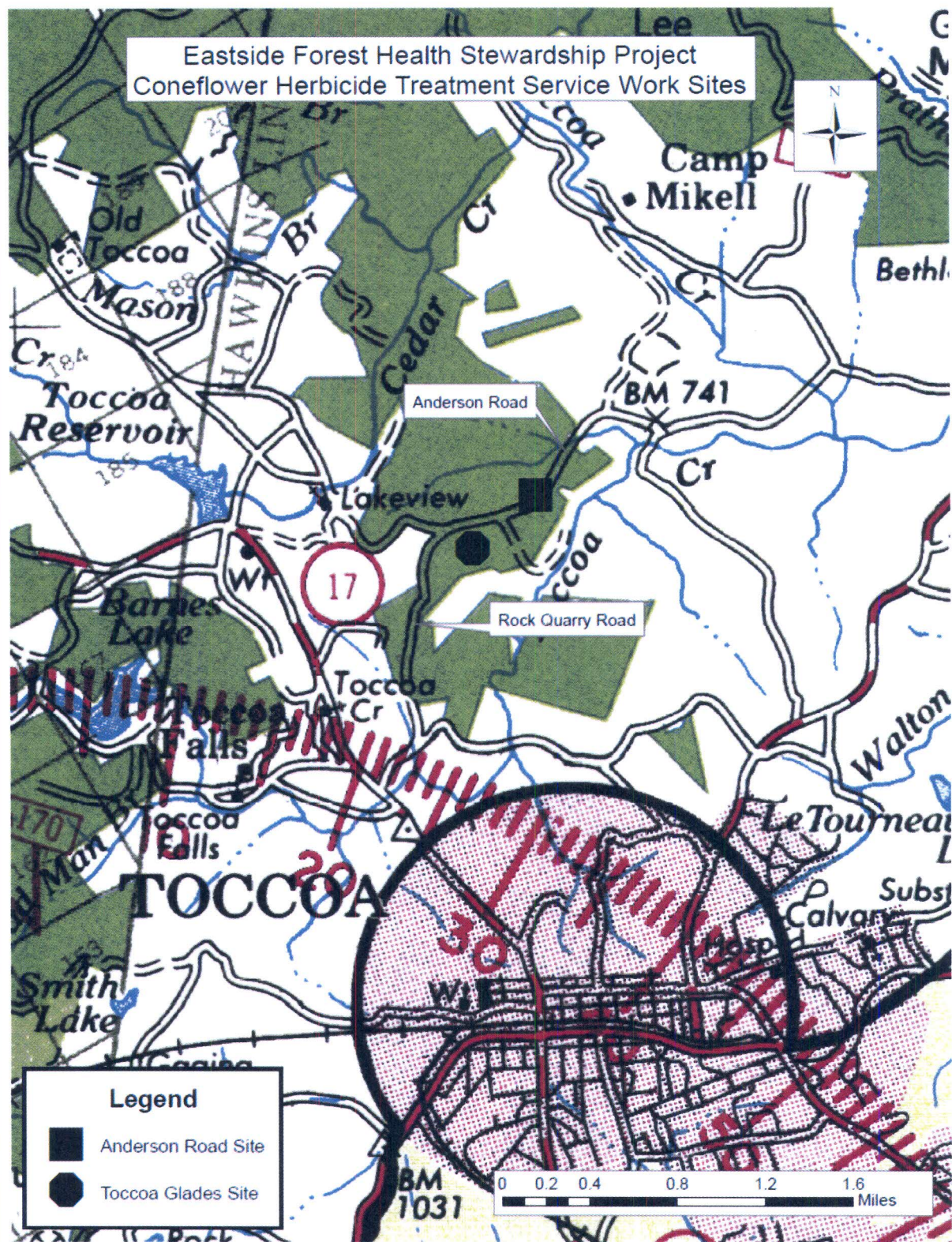
G.2. INSPECTION AND ACCEPTANCE

1. Work will be accepted when the work is completed according to the project specifications. If the work completed is accepted, the contractor shall proceed according to the Work Progress Schedule. If the work is not accepted, the contractor shall not receive payment or credit until completing any remedial work required for acceptance. If the area cannot be brought up to specifications, credits or payments will be reduced or not be awarded.

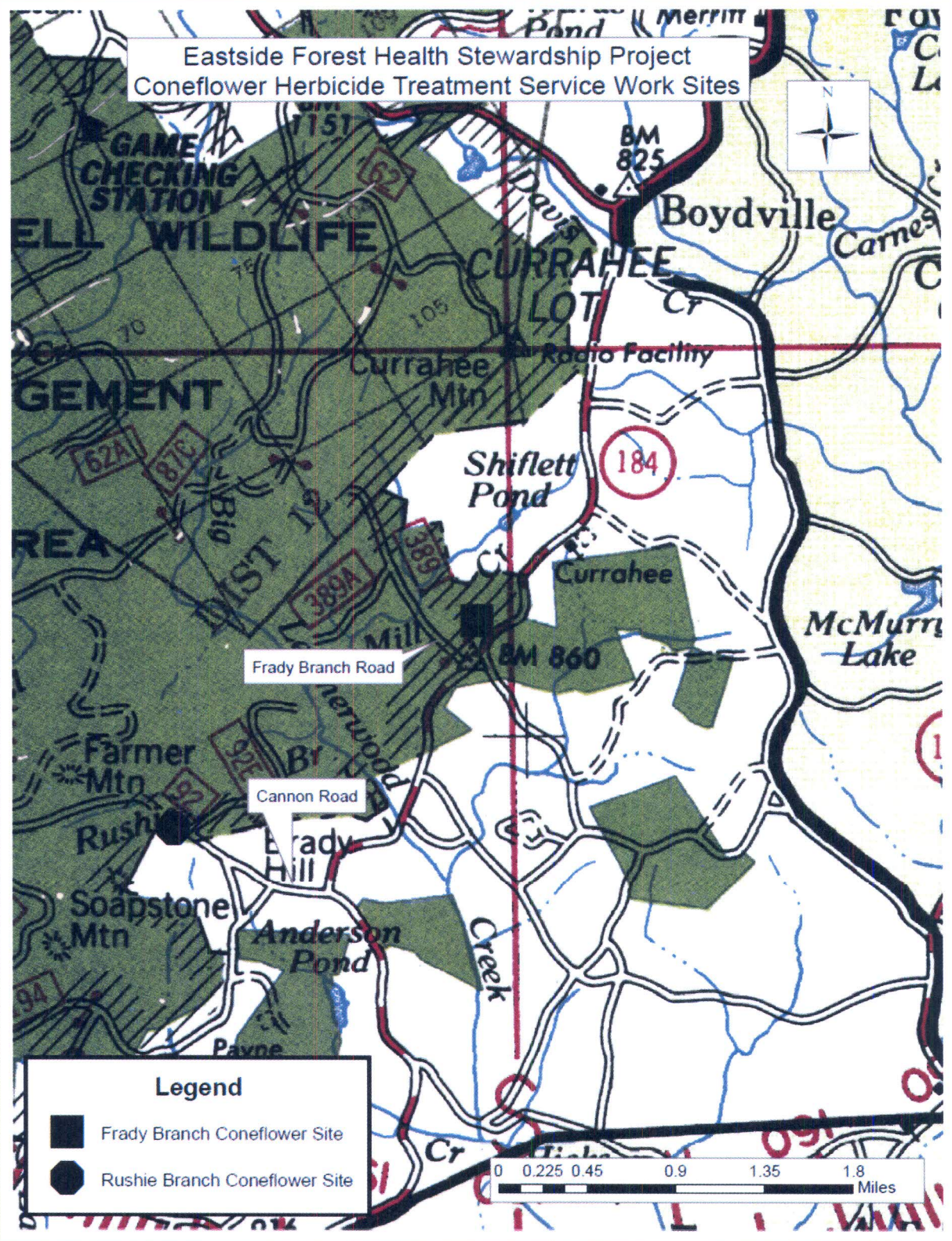
Coneflower Work Sites

Area	Treatment Type	Size (Ac.)
Anderson Road	Coneflower / Herbicide	1.40
Toccoa Glades	Coneflower / Herbicide	2.25
Fraday Branch	Coneflower / Herbicide	1.94
Rushie Branch	Coneflower / Herbicide	2.40
Currahee Mtn #1	Coneflower / Herbicide	3.10
Currahee Mtn #2	Coneflower / Herbicide	2.42
Lee Mountain #1	Coneflower / Herbicide	0.36
Lee Mountain #2	Coneflower / Herbicide	2.28
SUBTOTAL	-----	16.15

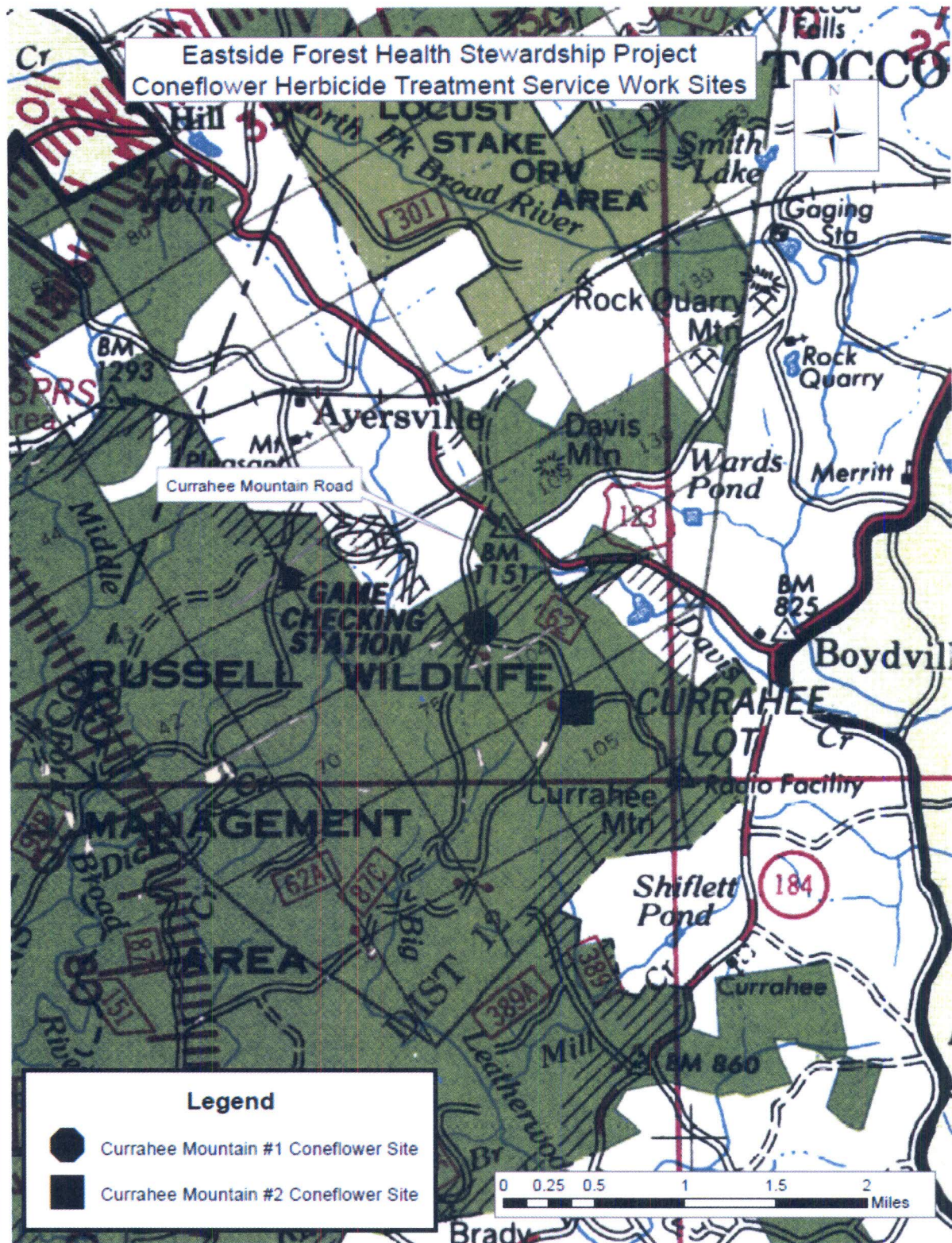
Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites



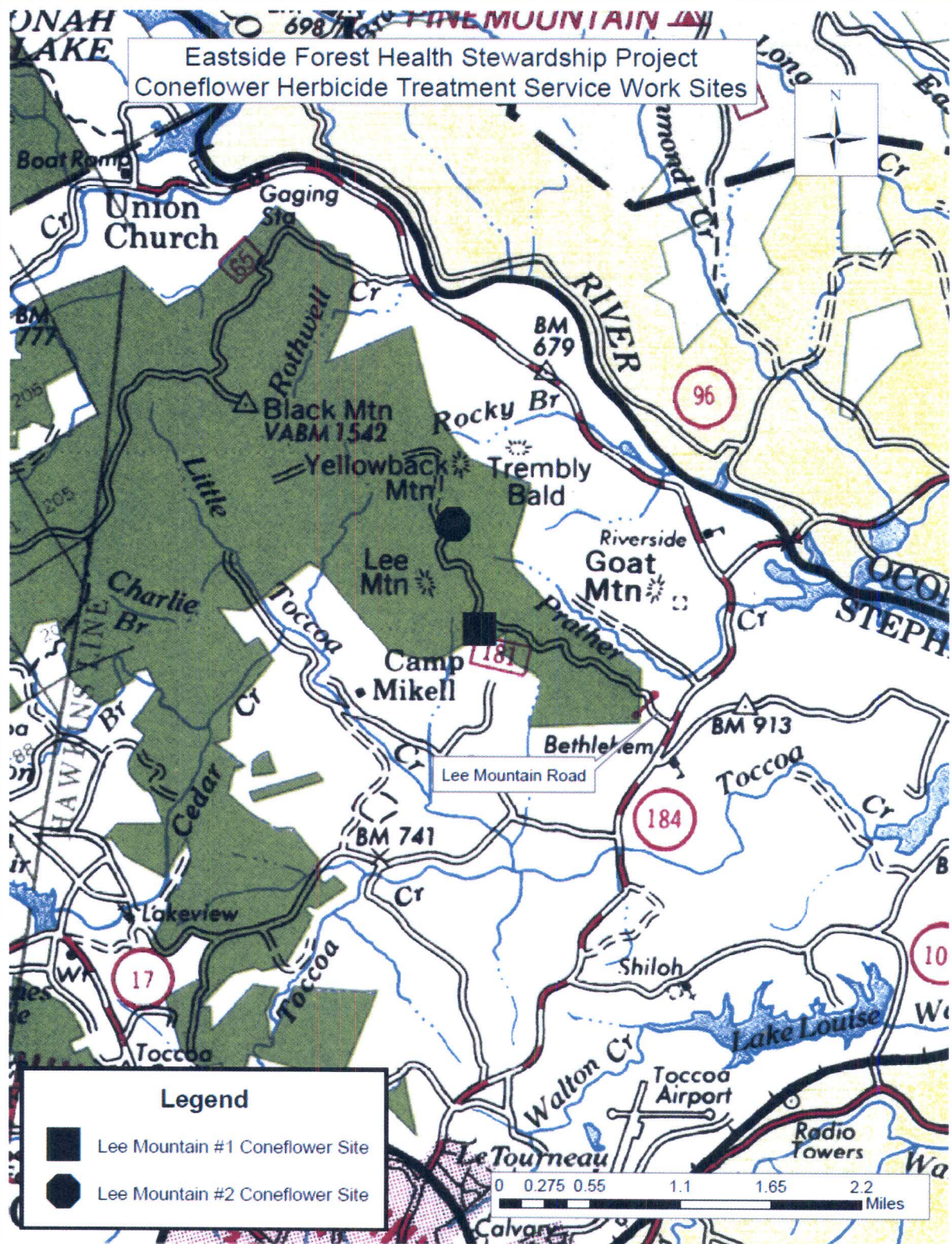
Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites



Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites



Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites



Item 02 –NNIS (Non-native Invasive Species) Treatment

GENERAL SPECIFICATIONS

The contractor shall provide all personnel, equipment, tools, supervision, and other items and incidental services necessary to treat 9.55 acres of Privet and/or Autumn Olive, through a combination of mechanical and chemical treatments. The identified 9.55 acres will be treated for a minimum of 2 years, with additional treatments being prescribed as needed

PART I. SECTION C, SPECIFICATIONS

C. 1 - SCOPE OF PROJECT

The contractor shall furnish all equipment, labor, transportation, supervision, and perform all work required for **the NNIS (Non-native Invasive Species) treatments** on the Chattahoochee National Forest in accordance with the specifications and provisions of the project.

C.2 - DESCRIPTION AND LOCATION

NNIS treatment consists of cutting and/or spraying understory and woody material. The primary target species are Autumn Olive and/or Privet.

The locations of the treatment acres are shown on the Stewardship Area Map. This acreage is included in one site. The treatment location has been GPS mapped for actual acreages. The boundary of the treatment area has been marked with orange tree paint as well.

TECHNICAL SPECIFICATIONS

General Herbicide Application Specifications (see Appendix 1 for more information)

NNIS Treatment

The following methods shall be used to treat Privet and Autumn Olive.

- Treatment will be applied to targeted vegetation with backpack sprayers or other hand-applied sprayers in the area marked with a painted boundary.
- A blue inert dye will be used for easy of inspection. Appropriate surfactants will also be required to maximize effectiveness.
- Treatment should be done from July to September.
- Only aquatic label herbicide and surfactant will be used.
- Privet and Autumn Olive less than or equal to 6 feet in height will be treated thru foliar application.
- Privet and Autumn Olive greater than 6 feet in height will be required to be treated thru the Cut – Stump Treatment method. Cut stumps will be treated immediately after the stem has been

severed. All cut stems will be required to be piled on site. Piles will not exceed 4 feet in height, 4 feet wide and 4 feet long. All piles will be spaced at least 10 feet apart.

- Application rates for both foliar and cut stump treatments are described in the below table.

Foliar Treatments	Vegetation < 6 feet in height			
Chemical*	Species	% solution	lb ai/acre	
Glyphosate (AQUATIC LABEL)	Chinese privet / Autumn Olive	3	2.0	Year 1 and Year 2
Cut Stem Treatments	Vegetation > 6 feet in height			
Chemical*	Species	% fraction in solution	lb ai/acre	lb ai/acre
Glyphosate or triclopyr (AQUATIC LABEL)	Chinese privet / Autumn Olive	20	0.4	Year 1

G.1- GOVERNMENT FURNISHED PROPERTY

NONE

G.2. INSPECTION AND ACCEPTANCE

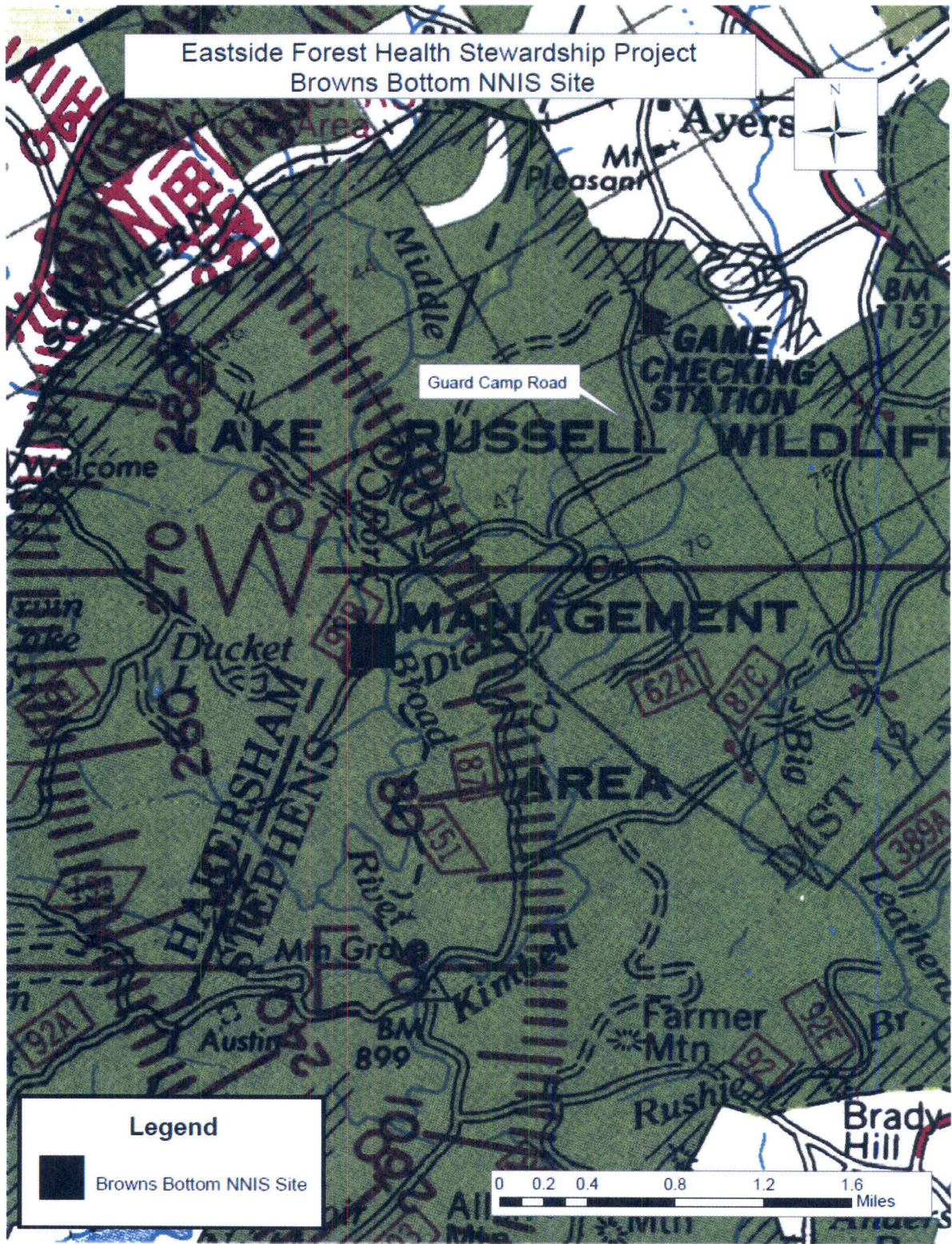
1. Work will be accepted when the work is completed according to the project specifications. See Appendix 1 below for the table. If the work completed is accepted, the Partner shall proceed according to the Work Progress Schedule. If the work is not accepted, the Partner shall not receive payment or credit until completing any remedial work required for acceptance. If the area cannot be brought up to specifications, credits or payments will be reduced or not be awarded.
2. Upon completion of work on an area, the contractor shall notify the Contracting Officer Representative (COR) that work on the area is completed and the COR shall make an overall inspection of the work completed. If the work completed is accepted, the contractor may proceed with work on the next area. If the work is not accepted by the COR, the contractor shall complete any remedial work required prior to commencing work on the next area

Eastside Forest Health Stewardship Project

Herbicide Work Site

Browns Bottom Privet	NNIS / Herbicide	9.55
SUBTOTAL	-----	9.55

Eastside Forest Health Stewardship Project
Browns Bottom NNIS Site



Item 03 –Wildlife Openings Maintenance Treatments

GENERAL SPECIFICATIONS

The contractor shall provide all personnel, equipment, tools, supervision, and other items and incidental services necessary to treat **7.5 acres** of wildlife openings consisting of 2 separate areas. The contractor may also occasionally be required to cut out fallen trees with block access to the wildlife openings identified for treatment. The treatment boundary of wildlife openings includes all of the area within the “tree-line”.

PART I. SECTION C, SPECIFICATIONS

C. 1 - SCOPE OF PROJECT

The contractor shall furnish all equipment, labor, transportation, supervision, and perform all work required for **Wildlife Opening Maintenance** on the Chattahoochee National Forest in accordance with the specifications and provisions of the project.

C.2 - DESCRIPTION AND LOCATION

The project consists of lime application, mowing, fertilizing and planting the specified seed mix listed below.

The locations of the treatment acres are shown on the Stewardship Area Map. See Eastside Forest Health Stewardship Project – Service Work Sites Table for a listing of all wildlife openings to be treated, including the size of each opening. The treatment locations have been GPS mapped for actual acreages. All identified wildlife openings will be treated as described below.

TECHNICAL SPECIFICATIONS

Pre-liming

All wildlife openings (7.5 acres) shall be limed during the early summer, during the month of June, prior to Fall planting. Lime should be evenly distributed throughout the wildlife opening, at a rate of 2 tons per acre.

Initial Mowing

All identified Wildlife Openings (7.5 acres) shall be mowed one time prior to planting. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6 inches after the mowing is complete. This includes cutting all small saplings less than 4 inch diameter that may have regenerated within the opening over the last couple of years. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

Planting

After the initial mowing, all identified wildlife openings (7.5 acres) shall be disced, fertilized and planted with a mix of Durana clover, oats and wheat. Planting rate will consist of 10 lbs/ac. of Durana Clover, 20 lbs/ac. of Wheat and 15 lbs/ac. of Oats. Planting should be done during the month of September through the first month of October. Just prior to planting, the seedbed will be prepared by lightly disking the opening (no more than 4 inches deep, but thoroughly turning all ground), broadcast seeding the specified seed mix evenly across the opening, and then "dragging" the opening with a tree top or heavy chains to cover the broadcasted seed with no more than 0.25 inches of soil. After planting, 19-19-19 fertilizer will be applied at a rate of 300 lbs per acre.

Late Spring Post-Planting Mowing

Following the fall planting, all wildlife openings (7.5 acres) shall be mowed in late spring, during the time period of May 15 – June 15. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6 inches after the mowing is complete. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

Mid-Summer Post-Planting Mowing

All wildlife openings (7.5 acres) shall be mowed a second time in early Summer, during the month of July. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6-12 inches after the mowing is complete. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

Late-Summer Post-Planting Mowing

All identified Wildlife Openings (7.5 acres) shall be mowed a third time in late-Summer, between the time period of August 15 – Sept 15. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6-12 inches after the mowing is complete. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

*Summer mowings should be spaced no sooner than one month apart per wildlife opening.

G.1- GOVERNMENT FURNISHED PROPERTY

NONE

G.2. INSPECTION AND ACCEPTANCE

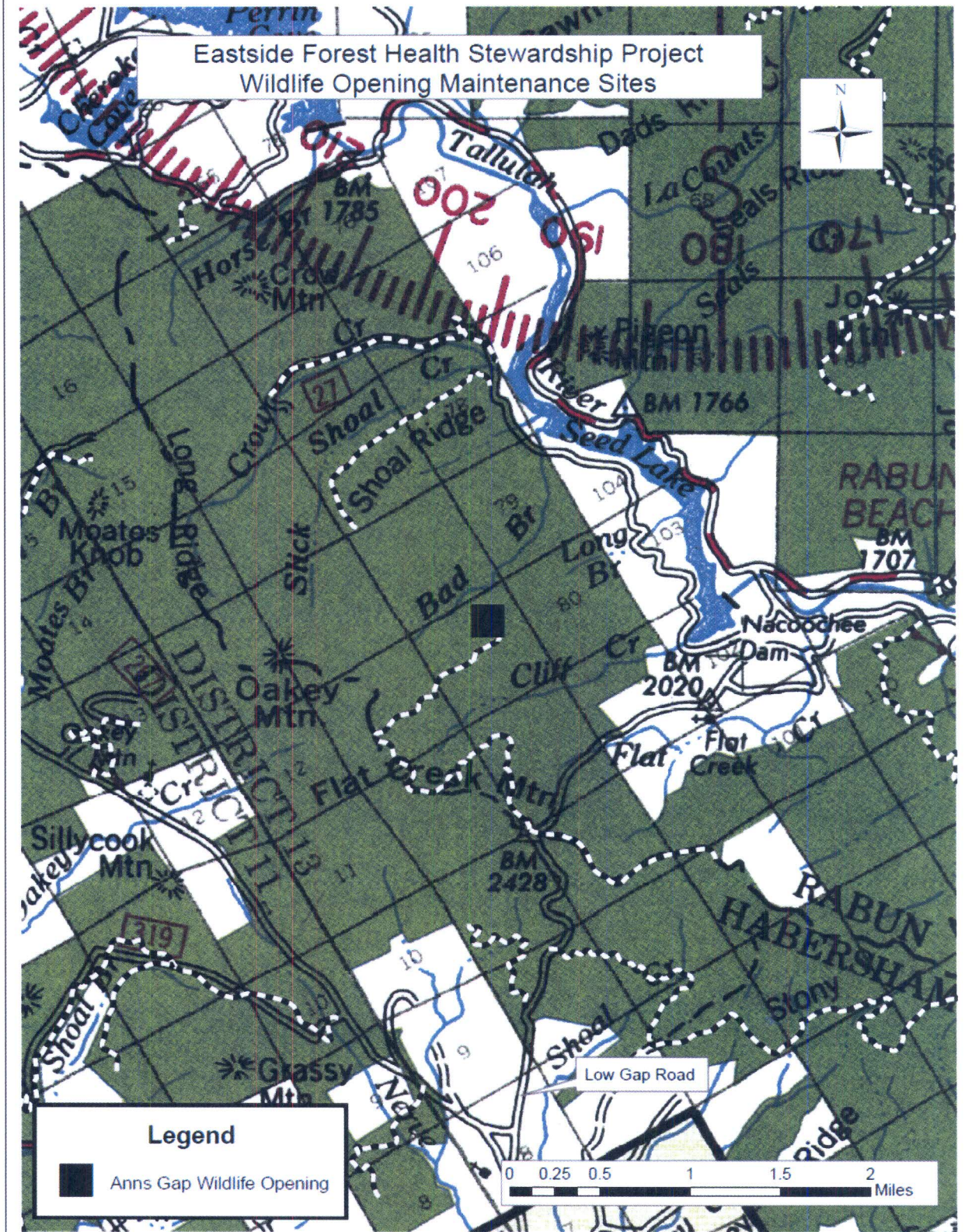
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Eastside Forest Health Stewardship Project

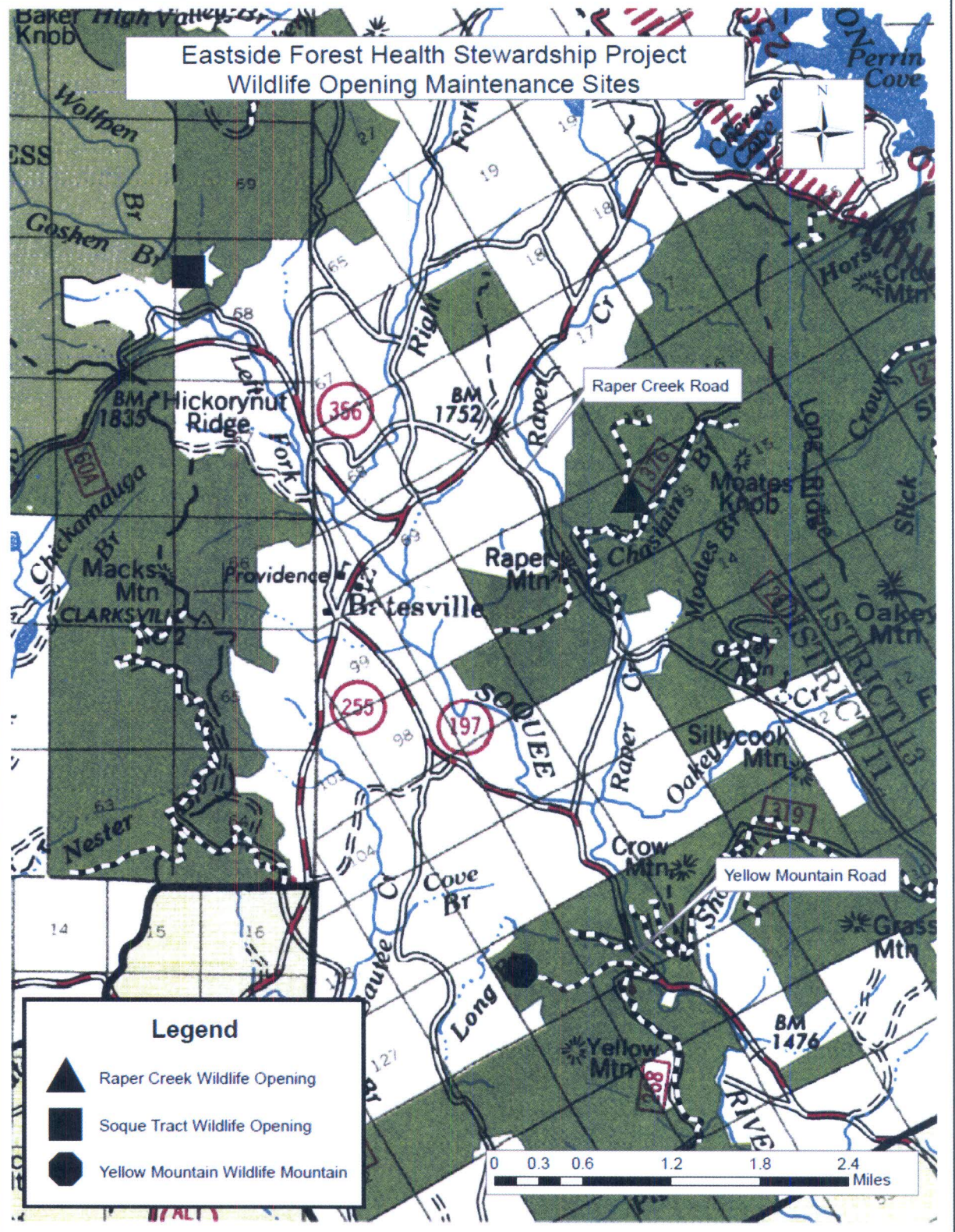
Wildlife Opening Maintenance Work Sites

Raper Creek	Wildlife Opening Maintenance	4.19
Anns Gap	Wildlife Opening Maintenance	3.54

Eastside Forest Health Stewardship Project
Wildlife Opening Maintenance Sites



Eastside Forest Health Stewardship Project
Wildlife Opening Maintenance Sites



Item 04 –Davidson and Mill Creek Layout Marking and Cruising

GENERAL SPECIFICATIONS

The contractor shall provide all personnel, equipment, tools, supervision, and other items and incidental services necessary to layout, mark and cruise **332 acres** Eastside Forest Health stands in need of thinning.

PART I. SECTION C, SPECIFICATIONS

C. 1 - SCOPE OF CONTRACT

The contractor shall furnish all equipment, labor, transportation, supervision, and perform all work required for **layout, marking and cruising of Davidson and Mill Creek timber stands** on the Chattahoochee National Forest in accordance with the specifications and provisions of the project.

C.2 - DESCRIPTION AND LOCATION

- Task 1: Layout and boundary marking of stand boundaries;
- Task 2: Mapping of cutting unit boundaries with GPS; and
- Task 3: Timber marking and/or cruising.

The projects are located within Stephens County, Compartments 232, 228, 226, 225 and 212 of the Chattooga River Ranger District, 5+/- miles radius of Toccoa, Georgia. This cruise plan is for **332 +/-** acres of thinning for forest health.

TECHNICAL SPECIFICATIONS

All technical specifications can be found in approved attached Cruise Design and Implementation Plan (Appendix 1)

G.1- GOVERNMENT FURNISHED PROPERTY

NONE

G.2. INSPECTION AND ACCEPTANCE

1. Work will be accepted when the work is completed according to the contract specifications. If the work completed is accepted, the contractor shall proceed according to the Work Progress Schedule. If the work is not accepted, the contractor shall not receive payment or credit until completing any remedial work required for acceptance. If the area cannot be brought up to specifications, credits or payments will be reduced or not be awarded.

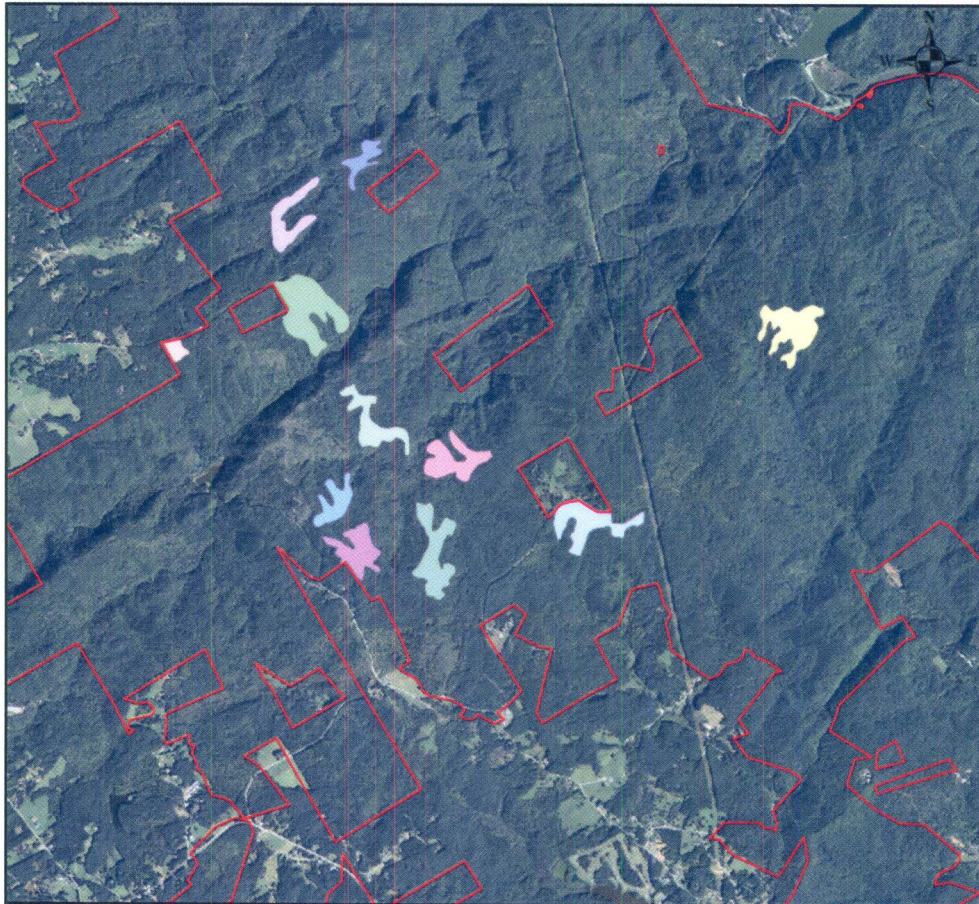
Eastside Forest Health Stewardship Project

Layout, Marking and Cruising Sites













Compartment/ Stand	Stand Acres	Objective	Rx	# Units to Layout/Map/ Cruise/Mark	Cruise Method ^A	Timber Designation Method ^B
1. 232025	34	Forest Health	Thin	x	STR	CTM
2. 232013	14	Forest Health	Thin	x	STR	CTM
3. 225001	40	Forest Health	Thin	x	STR	CTM
4. 232034	7	Forest Health	Thin	x	STR	CTM
5. 232030	25	Forest Health	Thin	x	STR	CTM
6. 228022	34	Forest Health	Thin	x	STR	CTM
7. 228012	20	Forest Health	Thin	x	STR	CTM
8. 228004	26	Forest Health	Thin	x	STR	CTM
9. 228015	29	Forest Health	Thin	x	STR	CTM
10. 228028	40	Forest Health	Thin	x	STR	CTM
11. 226020	43	Forest Health	Thin	x	STR	CTM
12. 212039	20	Forest Health	Thin	x	STR	CTM
TOTAL	332					

Davidson and Mill Creek Proposed Timber Sale

NORTHERN PORTION OF SALE AREA Stand Location and Proximity



Legend

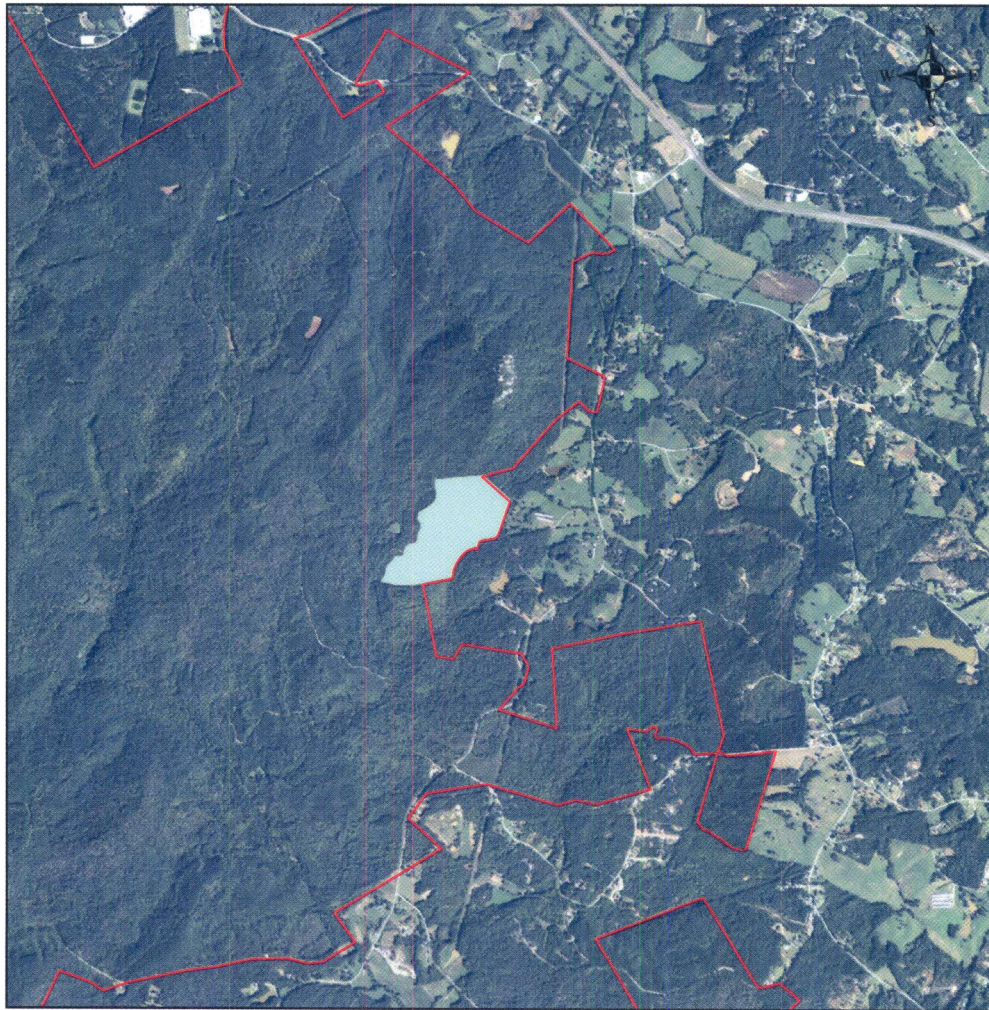
 Chattahoochee_Oconee_NF_Blob	 228015
Davidson Creek Area Stands	 228022
CS	 228028
 225001	 232013
 226020	 232025
 228004	 232030
 228012	 232034



0 0.25 0.5 1 1.5 2 Miles
Westbrook 7/21/2014

Davidson and Mill Creek Proposed Timber Sale

SOUTHERN PORTION OF SALE AREA Stand Location and Proximity



Legend

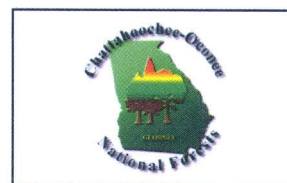
 NF Boundary

Mill Creek Stand Location

 <all other values>

CS

 212039



4,300 2,150 0 4,300 Feet



Westbrook 7/21/2014

Item 05 – Wildlife Openings Maintenance Treatments

GENERAL SPECIFICATIONS

The contractor shall provide all personnel, equipment, tools, supervision, and other items and incidental services necessary to treat **17.26 acres** of wildlife openings consisting of 5 separate areas. The contractor may also occasionally be required to cut out fallen trees with block access to the wildlife openings identified for treatment. The treatment boundary of wildlife openings includes all of the area within the “tree-line”.

PART I. SECTION C, SPECIFICATIONS

C. 1 - SCOPE OF CONTRACT

The contractor shall furnish all equipment, labor, transportation, supervision, and perform all work required for **Wildlife Opening Maintenance** on the Chattahoochee National Forest in accordance with the specifications and provisions of the contract.

C.2 - DESCRIPTION AND LOCATION

The project consists of lime application, mowing, fertilizing and planting the specified seed mix listed below.

The locations of the treatment acres are shown on the Stewardship Area Map. See Eastside Forest Health Stewardship Project – Service Work Sites Table for a listing of all wildlife openings to be treated, including the size of each opening. The treatment locations have been GPS mapped for actual acreages. All identified wildlife openings will be treated as described below.

TECHNICAL SPECIFICATIONS

Pre-liming

All wildlife openings (17.26 acres) shall be limed during the early summer, during the month of June, prior to Fall planting. Lime should be evenly distributed throughout the wildlife opening, at a rate of 2 tons per acre.

Initial Mowing

All identified Wildlife Openings (17.26 acres) shall be mowed one time prior to planting. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6 inches after the mowing is complete. This includes cutting all small saplings less than 4 inch diameter that may have regenerated within the opening over the last couple of years. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

Planting

After the initial mowing, all identified wildlife openings (17.26 acres) shall be disced, fertilized and planted with a mix of Durana clover, oats and wheat. Planting rate will consist of 10 lbs/ac. of Durana Clover, 20 lbs/ac. of Wheat and 15 lbs/ac. of Oats. Planting should be done during the month of September thru the first month of October. Just prior to planting, the seedbed will be prepared by lightly disking the opening (no more than 4 inches deep, but thoroughly turning all ground), broadcast seeding the specified seed mix evenly across the opening, and then “dragging” the opening with a tree top or heavy chains to cover the broadcasted seed with no more than 0.25 inches of soil. After planting, 19-19-19 fertilizer will be applied at a rate of 300 lbs per acre.

Late Spring Post-Planting Mowing

Following the fall planting, all wildlife openings (17.26 acres) shall be mowed in late spring, during the time period of May 15 – June 15. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6 inches after the mowing is complete. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

Mid-Summer Post-Planting Mowing

All wildlife openings (17.26 acres) shall be mowed a second time in early Summer, during the month of July. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6-12 inches after the mowing is complete. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

Late-Summer Post-Planting Mowing

All identified Wildlife Openings (17.26 acres) shall be mowed a third time in late-Summer, between the time period of August 15 – Sept 15. All wildlife openings should be mowed entirely, to the tree-line on all sides. Vegetation within the openings should be no higher than 6-12 inches after the mowing is complete. All gates used to access the wildlife openings should be closed and locked after the mowing is complete.

*Summer mowings should be spaced no sooner than one month apart per wildlife opening.

G.1- GOVERNMENT FURNISHED PROPERTY

NONE

G.2. INSPECTION AND ACCEPTANCE

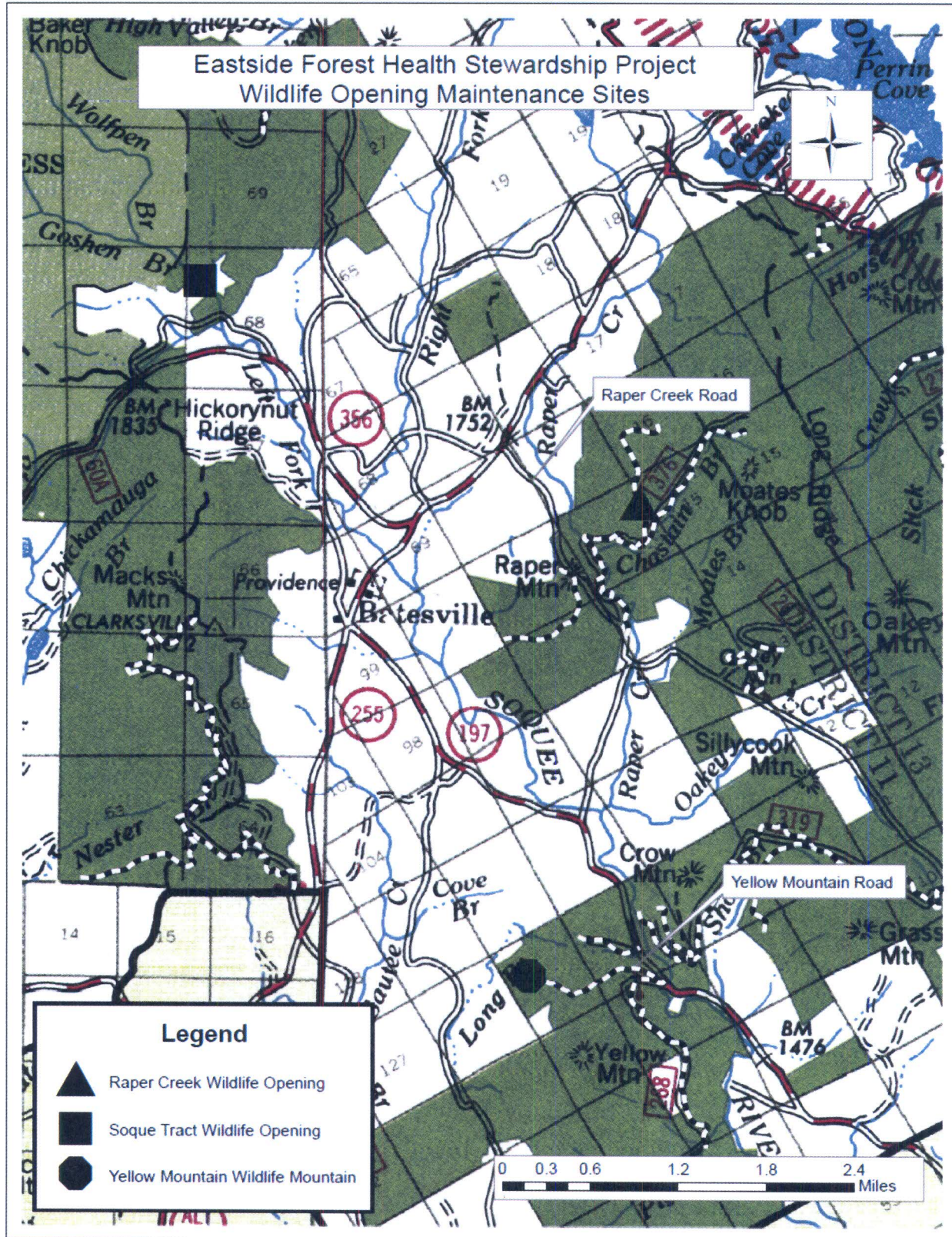
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Eastside Forest Health Stewardship Project

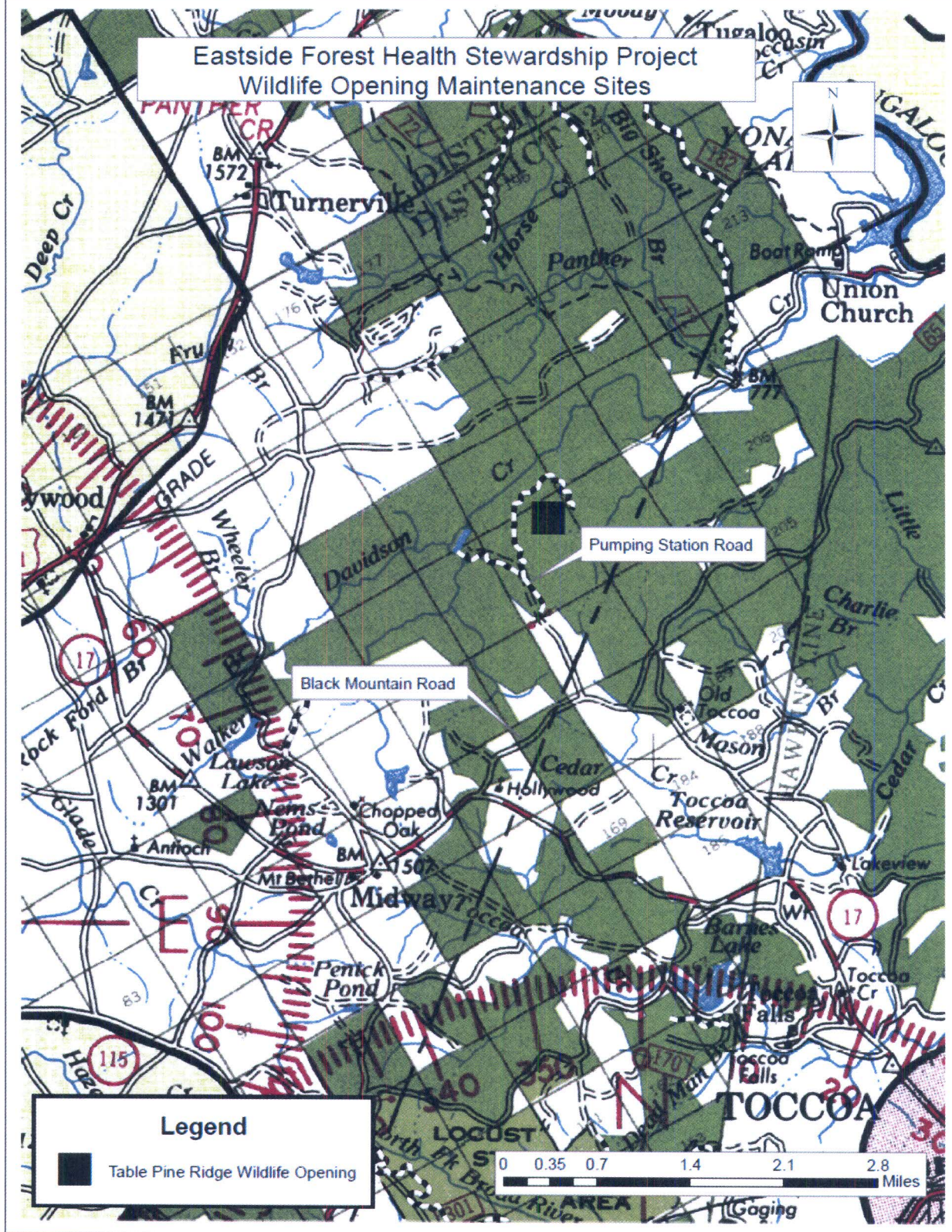
Wildlife Opening Maintenance Work Sites

Yellow Mountain	Wildlife Opening Maintenance	3.11
Soque Tract	Wildlife Opening Maintenance	3.38
Table Pine Ridge	Wildlife Opening Maintenance	4.12
Howard Gap #2	Wildlife Opening Maintenance	3.75
Howard Gap #3	Wildlife Opening Maintenance	2.90
SUBTOTAL	-----	17.26

Eastside Forest Health Stewardship Project
Wildlife Opening Maintenance Sites



Eastside Forest Health Stewardship Project
Wildlife Opening Maintenance Sites



Eastside Forest Health Stewardship Project
Wildlife Opening Maintenance Sites

